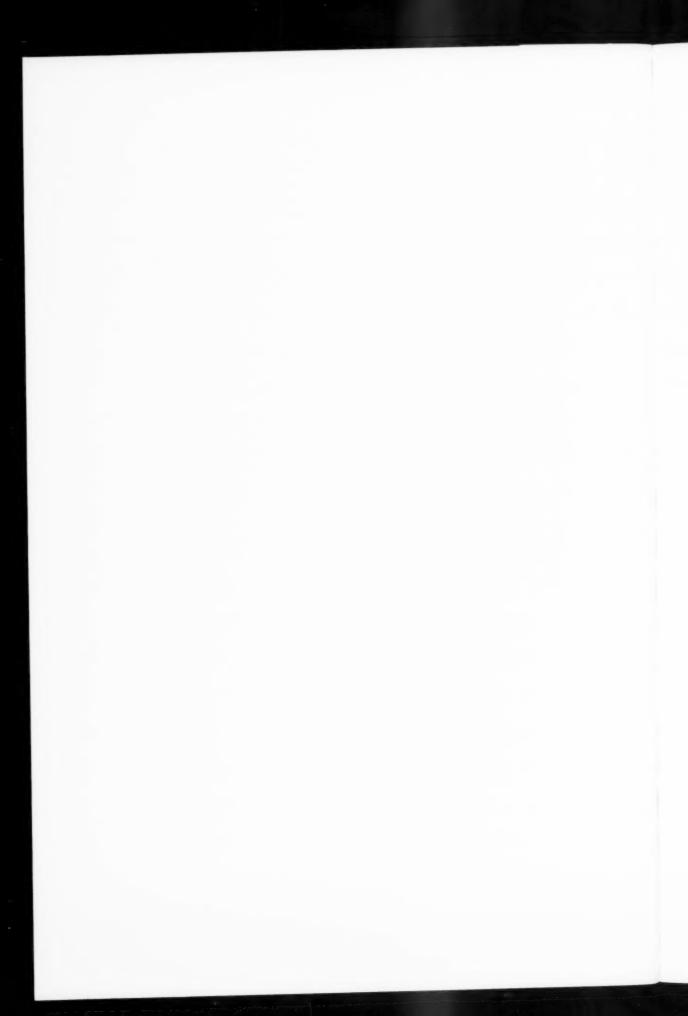
# AMERICAN JOURNAL OF PHARMACEUTICAL EDUCATION

INDEX TO AUTHORS

INDEX TO SUBJECTS AND TITLES

VOLUME 22

WINTER, SPRING, SUMMER, AND FALL
1958



# INDEX TO AUTHORS

- Adams, John G., Report of Committee on Curriculum, 290.
- Bhatia, V. N., Pharmaceutical Education in India, 24.
- Blauch, Lloyd E., Value of Foundations to Pharmaceutical Education, 139.
- Bliven, Charles W
  - Report of the Committee on Resolutions, 303; Report of the Delegate to the A.Ph.A. House of Delegates Interim Meeting, 336; Annual Meeting, 1958, 517.
- Bowers, Roy A., Report of the Representa-tives to the NDTC, 336.
- Brady, Edward S., Pharmaceutical Chemistry and the Seminar for Practicing Pharma-cists: A Problem in Communication, 454.
- Briggs, W. Paul, Annual Report of the Secretary and Executive Director of the American Foundation for Pharmaceutical Education, 339.
- Bristol, Lee H., Jr., The Application of Group Thinking Techniques to the Prob-lems of Pharmaceutical Education, 143.
- Brochmann-Hanssen, Einer, Pharmaceutical Education in Norway, 9.
- Bukowiecki, Henryk, Pharmaceutical Education in Poland, 38.
- Burckhalter, J. H.
  - Doctoral and Postdoctoral Study in Ger-many, 18; Graduate Training in Synthetic Pharmaceutical Chemistry A Restatement of an Opinion on the Subject, 445.
- Burlage, Henry M., A Five Year Grade Study of Pharmacy Students in the Courses Pharmaceutical Calculations and Introductory Pharmacy, 193.
- Burt, Joseph B., Memorial to Rufus Ashley Lyman, 100.
- Christian, J. E., Report of the Committee on Graduate Programs, 312
- Costello, P. H., Report of the Secretary of the American Council on Pharmaceutical Education, 285.
- Cowen, David L., Pharmacy and Civilization,
- randall, J. Verne, Memorial to Henry Ed-ward Melton, 247. Crandall,
- Cross, John M., Report of the Delegate to the AAAS, 235.
- Deno, Richard A Graduate Enrollment Data, September, 1957 and Graduate Study in Member Colleges for 1958-1959, 233; Report of the Committee on Recruitment Aids, 326.
- Dusenberry, James E., Pharmacognosy Trends, 412.

- Evanson, Robert V.

  How Can We Train for Industry? 210;

  Panel: Curriculum and Syllabi for Courses in Pharmacy Administration — Five Year Program, Conclusion, 501; In-troduction, 471, Management and Merchandising, 486.
- Faber, Jan S., Pharmaceutical Education in the Netherlands, 34.
- Fairbairn, J. W. Pharmaceutical Education in Great Britain - A Comparative Study, 1.
- Francke, Don E., Memorial to Harvey A. K. Whitney, 245.
- Gearien, J. E., A Course in Drug Assaying by Functional Group Analysis, 467.
- Gibson, Melvin R Rufus Ashley Lyman, 102; President Louis C. Zopf: A Biographical Sketch, 399; Report of the Editor of the American Journal of Pharmaceutical Education, 288,
- Gold, B. H., Memorial to James Edgar Davis, 373.
- Goyan, Frank M., Physical Chemistry in Pharmaceutical Education, 457.
- Greco, Salvatore J., Memorial to William A. Jarrett, 242.
- Greenberg, Isidore, Financial Schedules: A Teaching Aid in the Determination of the Capital Requirements Necessary for Opening a New Drugstore, 502.
- Griffith, Ivor, Memorial to Horatio C. Wood, Jr., 532.
- Grolle, Floyd A., The Leading of Case Discussions in Pharmacy Management, 512.
- Grundman, R. A., Memorial to James Edgar Davis, 370.
- Hager, George P., Graduate Training in Synthetic Organic Chemistry: Consensus of University of Minnesota College of Pharmacy Faculty, 440.
- Hall, Esther J. W., Panel: Curriculum and Syllabi for Courses in Pharmacy Admin-istration—Five Year Program, Management, 482.
- Harris, Loyd E., Report of the Committee on Status of Pharmacists in the Government Service, 328.
- Hewitt, H. G.
- Pharmaceutical Education in the United States, 155; Report of the Committee on Problems and Plans, 324.
- Heyndrickx, Aubin, Belgian Pharmaceutical Education, 28.
- Huyck, C. Lee, A Course in Pharmacy Orientation, 179.

Ireland, W. J., Memorial to John Francis McCloskey, 240.

James, Arthur E., Pharmaceutical Education in Central and South America, 51.

Jenkins, Glenn L., A New Plan for Pharmacy Education, 165.

Kaufman, Karl, Report of the Delegates to the ACE, 333.

Kearns, James A., Present Problems in the Recruitment of Students, 66.

Kern, Joseph H., Report of the Secretary-Treasurer of the AACP Conference of Teachers, 1957-1958, 522.

King, Theodore O., Belgian Pharmaceutical Education, 28.

Abraham, Financial Schedules: Teaching Aid in the Determination of the Capital Requirements Necessary for Opening a New Drugstore, 502.

Lange, Winthrop E., Pharmacy Calculations Should Be Taught as a Separate Course, 433.

Lee, C. O., Memorial to Edward Spease, 102.

Leuallen, E. E., The Bobst-Columbia Plan for Pharmaceutical Education, the First Application of Group Ideation to Curricu-lum Development, 147.

Lyman, Rufus A., Dr. Lyman Comments, 96.

Lyman, Rufus A., Jr., Memorial to Rufus Ashley Lyman, 100.

Lynch, John A., Panel: Curriculum and Syllabi for Courses in Pharmacy Adminis-tration — Five Year Program, Marketing (Marketing Drug Products), 491.

Martin, Alfred N., Physical Pharmacy: Physical Chemical Principles in Pharmaceutical Science, 462.

Martin, D. M., Memorial to James Edgar Davis, 370.

McCarthy, Walter C., Pharmaceutical Education in the Netherlands, 34.

McCloskey, John F., Address of the Vice President, 276.

McEvilla, Joseph D., Panel: Curriculum and Syllabi for Courses in Pharmacy Administration — Five Year Program, A Method of Achieving the Objectives of Accounting in the Pharmacy Curriculum, 474.

Miller, Clifton E., Memorial to W. F. Sudro,

Miller, Orville H., The Scope of Pharmaceutical Mathematics, 426.

Newton, Howard C., Memorial to Leslie M. Ohmart, 244.

obles, W. Lewis, The Necessity for Research and Graduate Training in Synthetic Nobles, W. Pharmaceutical Chemistry in Schools of Pharmacy, 449.

Olsen, Paul C., Panel: Curriculum and Syllabi for Courses in Pharmacy Adminis-tration - Five Year Program, Pharmacy Administration - Over-all Aims and Objectives, 471.

Osborne, George E., Report of the Joint Committee on Pharmacy College Libraries,

Parks, Lloyd M., Pharmacy's Appeal to Prospective Students - What the Colleges are Doing, 403.

Paterson, G. R., The Canadian Conference of Pharmaceutical Faculties, 201.

Powers, Wilbur E., A State Board Member's View of Pharmacy Calculations, 436.

Pumpian, Paul A., Panel: Curriculum and Syllabi for Courses in Pharmacy Administration - Five Year Program, Pharmaceutical Jurisprudence in the Five Year Program, 493.

Quimby, Maynard W., The Lynn File, 64.

Reiss, David, Pharmacy's Appeal to Prospective Students, 409.

Rice, Raymond M., Clinical Research in the Pharmaceutical Industry, 133.

Riess, Chester L., The English Teacher Talks Back, 185.

Rodman, Morton J., Memorial to Cyrus L. Cox, 532.

Roon, Leo, The Bobst-Columbia Plan for Pharmaceutical Education, the First Application of Group Ideation to Curriculum Development, 147.

Rowe, Tom D.

Address of the President, 269; Changes Influencing the Teaching of Pharmacy in the United States, 151; President's Section, 90.

Saski, Witold The Development of Pharmacy in Poland, 214; Pharmaceutical Education in Poland, land, 38.

Schaefer, Hugo H. Remington Honor Medal Citation for W. Paul Briggs, 80; Report of the Delegates to the AFPE, 334; Report of the Representatives to the NDTC, 336.

Schermerhorn, John W., The Lynn File, 64.

Sciuchetti, Leo A., Memorial to George Edward Crossen, 533. Sonnedecker, Glenn, Studying Pharmacy in

West Germany, 169.

Sperandio, Glen J., Report of the Committee on Education and Membership Standards,

Sprowls, Joseph B., Report of the Committee on Predictive Tests, 324.

Susina, Stanley V., Pharmacy Calculations Should Be Integrated with Other Pharmacy Courses, 428. Tice, Linwood F.

Report of the Committee on Future Enrollment Problems, 310; Report of the Representatives to the NDTC, 336.

Valette, G., Impressions of a Mission to Lebanon and Yugoslavia, 62.

VanderWyk, Raymond W., Antibiotic Test-

Voigt, Ralph F., Report of the Committee on Audio-visual Education, 308.

Volwiler, Ernest H., Research in the Pharmaceutical Industry Today, 127.

Waldon, Curtis H., Report of the Committee on Relationships of Boards and Colleges,

Waters, Kenneth L., Report of the Committee on Continuation Studies, 330.

Weaver, Warren E., Report of the Committee on Hospital Pharmacy Education, 331.

Webster, George L.
Minutes of the Annual Meeting, AACP
Executive Committee, 342; Minutes of

the Interim Meeting, Executive Commit-tee, 81; Minutes of the Post-Session Meeting, Executive Committee, 349; Re-ports of the Delegates to the ACE, 333; Report of the AACP Secretary-Treasurer, 279.

Weeks, James R., Recent Advances in Pharmacology Research, 420.

Vilson, Stephen, Panel: Curriculum and Syllabi for Courses in Pharmacy Adminis-tration — Five Year Program, Principles of Economics in the Five-Year Curriculum, Wilson. 480

Worrell, Lee, Memorial to Charles H. Stocking, 243.

Zachert, Martha Jane K., The Library's Responsibility to the Pharmacy Faculty, 77.

Zopf, Louis C. President's Section, 526; Report of the AACP Executive Committee Chairman,

Zupko, Arthur G., Report of the Committee on Civil Defense Education, 309.

# INDEX TO SUBJECTS AND TITLES

Accounting in the Pharmacy Curriculum, A Method of Achieving the Objectives of, part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration -Five Year Program, Joseph D. McEvilla, 474

Address

of the President, Tom D. Rowe, 269. of the Vice President, John F. McCloskey,

Administration (Pharmacy) - Five Year Program - Curriculum and Syllabi for Courses in, Panel: Introduction, Robert V. Evanson, 471.

American Association for the Advancement of Science, Report of the Delegate to the, John M. Cross, 235.

American Association of Colleges of Pharmacy

Committee, Representative, and Delegate Appointments, 1957-58, 363.

Conference of Teachers, 1957-1958, Report of the Secretary-Treasurer of the, Joseph H. Kern, 522.

Delegates and Representatives to the Fifty-Ninth Annual Meeting, 365.

Executive Committee, Minutes of the Annual Meeting, George L. Webster, 342; Interim Meeting, 81; Post-Session Meeting, 349.

Institutions Holding Membership in the, 360.

Past Places of Meeting and Past Officers, 367.

Secretary-Treasurer, Report of the, 279.

American Council on Education, Report of the Delegate to the, George L. Webster and Karl Kaufman, 333.

American Council of Pharmaceutical Educa tion, The Report of the Secretary, P. H. Costello, 285

American Foundation for Pharmaceutical Education

Report of the Delegates to, Hugo H. Schaefer, 334.

Report of the Secretary and Executive Director of the, W. Paul Briggs, 339.

American Journal of Pharmaceutical Education, Report of the Editor of the, Melvin R. Gibson, 288.

American Pharmaceutical Association, Report of the Delegate to, Charles W. Bliven, 336, 517.

Announcements, 98.

Annual Report of the Secretary and Executive Director of the American Foundation for Pharmaceutical Education, W. Paul Briggs, 339.

Antibiotic Testing, Raymond W. VanderWyk, 227.

Application (The) of Group Thinking Techniques to the Problems of Pharmaceutical Education, Lee H. Bristol, Jr., 143.

Appointments, AACP, Committee, Representative and Delegate, 1957-58, 363.

Assaying (Drug) by Functional Group Anal-ysis, A Course in, J. E. Gearien, 467.

Audio-visual Education, Report of the Committee on, Ralph F. Voigt, 308.

Belgian Pharmaceutical Education, Theodore O. King and Aubin Heyndrickx, 28.

Biographical Sketch (A): President Louis C. Zopf, Melvin R. Gibson, 399.

Boards and Colleges Officers of Districts of, 365.

Report of the Committee on Relationships of, Curtis H. Waldon, Chairman, 301.

Bobst-Columbia (The) Plan for Pharmaceu-tical Education, the First Application of Group Ideation to the Curriculum Development, Leo Roon and E. E. Leuallen, 147.

Books, New, 124, 267, 395, 555.

Book Reviews, 113, 255, 388, 546.

Brainstorming

(Group Ideation), The First Application of to Curriculum Development, The Bobst-Columbia Plan for Pharmaceutical Education, Leo Roon and E. E. Leuallen, 147. Group Thinking), The Application of Techniques of to the Problems of Phar-(Group

maceutical Education, Lee H. Bristol, Jr.,

143

Briggs, W. Paul, Remington Honor Medal Citation for, Hugo H. Schaefer, 80.

Bylaws

Conference of Teachers, 352. Report of the Committee on Constitution and, 290.

Calculations (Pharmaceutical)

and Introductory Pharmacy, A Five Year Grade Study of Pharmacy Students in

the Courses, Henry M. Burlage, 193.
Should be Integrated with Other Pharmacy
Courses, Stanley V. Susina, 428.
Should be Taught as a Separate Course,
Winthesp F. Lange 433 Winthrop E. Lange, 433. A State Board Member's View of, Wilbur

E. Powers, 436.

Canadian (The) Conference of Pharmaceutical Faculties, G. R. Paterson, 201.

Capital Requirements Necessary for Opening a New Drugstore, Financial Schedules: A Teaching Aid in the Determination of the, Isidore Greenberg and Abraham Kreiser,

Case Discussions in Pharmacy Management, the Leading of, Floyd A. Grolle, 512.

Central and South America, Pharmaceutical Education in, Arthur E. James, 51.

Changes Influencing the Teaching of Pharmacy in the United States, Tom D. Rowe,

Chemical Principles (Physical) in Pharmaceutical Science: Physical Pharmacy, Alfred N. Martin, 462.

Chemistry

(Pharmaceutical) and the Seminar for Practicing Pharmacists: A Problem in Communication, Edward S. Brady, 454.

(Physical) in Pharmaceutical Education, Frank M. Goyan, 457.

(Synthetic Organic), Graduate Training in: Consensus of University of Minne-sota College of Pharmacy Faculty, George P. Hager, 440.

(Synthetic Pharmaceutical), Graduate Training in,—A Restatement of an Opinion on the Subject, J. H.

Burckhalter, 445. in Schools of Pharmacy, The Necessity for Research and Graduate Training in, W. Lewis Nobles, 449.

Civil Defense Education, Report of the Committee on, Arthur G. Zupko, 309.

Civilization, Pharmacy and, David L. Cowen,

Clinical Research in the Pharmaceutical Industry, Raymond M. Rice, 133.

College (Pharmacy) Libraries, Report of the Joint Committee on, George E. Osborne,

Colleges and Boards, Officers of Districts of, 365.

(Pharmacy)

Appeal to Students, What They Are Doing, Lloyd M. Parks, 403.

Financial Support of by Retail Pharmacists, see Dr. Lyman Comments, 96. Institutions Holding Membership in the American Association of, 360.

Report of the Committee on Relation-ships of Boards and, Curtis H. Waldon, 301.

Committee Appointments, AACP, 1957-58,

Committee Reports (AACP), see names of individual committees (mostly in summer issue, pp. 290-351).

Conference

(The Canadian) of Pharmaceutical Faculties, G. R. Paterson, 201.

of Teachers, AACP Bylaws, 352. Officers of, 364.

Report of the Secretary-Treasurer of for 1957-1958, Joseph H. Kern, 522.

Constitution and Bylaws, Report of the Committee on, 290.

Continuation Studies, Report of the Commit-tee on, Kenneth L. Waters, 330.

Council (American) on Pharmaceutical Edu-cation, Report of the Secretary of the, P. H. Costello, 285.

Course (A)

in Drug Assaying by Functional Group Analysis, J. E. Gearien, 467. in Pharmacy Orientation, C. Lee Huyck,

Cox, Cyrus L., Memorial to, Morton J. Rodman, 532

Crossen, George Edward, Memorial to, Leo A. Sciuchetti, 533,

Curriculum

Development, The Bobst-Columbia Plan for Pharmaceutical Education, the First application of Group Ideation to, Leo Roon and E. E. Leuallen, 147. (Extended), see President's Section, Louis C. Zopf, 526.

(Five Year), Curriculum and Syllabi for Courses in Pharmacy Administration in (Panel), 471. Report of the Committee on, John G.

Adams, 290.

Davis, James Edgar, Memorial to, D. M. Martin, R. A. Grundman, and B. H. Gold,

Delegate reports, see organization title to which delegate sent.

Delegates and Representatives to the Fifty-Ninth Annual Meeting, AACP, 365.

Development (The) of Pharmacy in Poland, Witold Saski, 214.

Districts of Boards and Colleges, Officers of, 365.

Doctoral and Postdoctoral Study in Germany, J. H. Burckhalter, 18.

Dr. Lyman Comments, Rufus A. Lyman, 96.

Drug Assaying by Functional Group Analysis, A Course in, J. E. Gearien, 467.

Drugstore (New) Financial Schedules: Teaching Aid in the Determination of the Capital Requirements Necessary for Opening a, Isidore Greenberg and Abraham Kreiser, 502.

Economics (Principles of) in the Five Year Curriculum, part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration-Five Year Program, Stephen Wilson, 480.

Editor of the American Journal of Pharmaceutical Education, Report of the, Melvin R. Gibson, 288.

Editorial, Melvin R. Gibson, 92, 237, 369, 529.

(Audio-visual) Report of the Committee on, Ralph F. Voigt, 308.

(Civil Defense), Report of the Committee on, Arthur G. Zupko, 309.

(Hospital Pharmacy) Report of the Committee on, Warren E. Weaver, 331.
(Liberal), for Pharmacy Students, see Editorial, Melvin R. Gibson, 92.
and Membership Standards, Report of the Committee on, Glen J. Sperandio, 296.

(Pharmaceutical)

The Application of Group Thinking Techniques to the Problems of, Lee H. Bristol, Jr., 143. Belgian, Theodore O. King and Aubin

Heyndrickx, 28.

in Central and South America, Arthur E. James, 51

the First Application of Group Ideation to Curriculum Development, The Bobst-Columbia Plan for, Leo Roon and E. E. Leuallen, 147. in Great Britain — A Comparative Study,

J. W. Fairbairn, 1.
in India, V. N. Bhatia, 24.
in the Netherlands, Jan S. Faber and
Walter C. McCarthy, 34.

A New Plan for, Glenn L. Jenkins, 165. in Norway, Einar Brochmann-Hanssen,

Physical Chemistry in, Frank M. Goyan,

in Poland, Witold Saski and Henryk Bu-

kowiecki, 38. Report of the Editor of the American Journal of, Melvin R. Gibson, 288. Report of the Secretary of the American Council on, P. H. Costello, 285.

Report (Annual) of the Secretary and Executive Director of the American Foundation for, W. Paul Briggs, 339. in the United States, H. G. Hewitt, 155. Value of Foundation to, Lloyd E. Blauch,

English (The) Teacher Talks Back, Chester L. Riess, 185.

Enrollment

139

(Future) Problems Report of the Com-

mittee on, Linwood F. Tice, 310. (Graduate) Data, September 1957 and Graduate Study in Member Colleges for 1958-1959, Richard A. Deno, 233.

Executive Committee, AACP

Minutes of the Annual Meeting, 342—In-terim Meeting, 81—Post-Session Meet-ing, 349, George L. Webster. Report of the Chairman, Louis C. Zopf,

281

Extended Curriculum, see President's Section, Louis C. Zopf, 526.

Faculties (Pharmaceutical), The Canadian Conference of, G. R. Paterson, 201.

Faculty (Pharmacy), The Library's Responsibility to the, Martha Jane K. Zachert, 77.

Financial Support of Colleges of Pharmacy by Retail Pharmacists, see Dr. Lyman Comments, 96.

Financial Schedules: A Teaching Aid in the Determination of the Capital Requirements Necessary for Opening a New Drugstore, Isidore Greenberg and Abraham Kreiser, 502.

Five Year Curriculum, Curriculum and Syl-labi for Courses in Pharmacy Administration in (Panel), 471.

Five (A) Year Grade Study of Pharmacy Students in the Courses Pharmaceutical Calculations and Introductory Pharmacy, Henry M. Burlage, 193.

Foundation (American) for Pharmaceutical Education, Annual Report of the Secretary and Executive Director of the, W. Paul Briggs, 339.

Foundations, Value of, to Pharmaceutical Education, Lloyd E. Blauch, 139.

General News, 108, 250, 379, 540.

Germany

Doctoral and Postdoctoral Study in, J. H. Burckhalter, 18.

(West), Studying Pharmacy in, Glenn Sonnedecker, 169.

Gifted Student, see Editorial, Melvin R. Gibson, 529.

Government Service, Report of the Committee on Status of Pharmacists in the, Loyd E. Harris, 328.

Grade Study (Five Year) of Pharmacy Students in the Courses Pharmaceutical Calculations and Introductory Pharmacy, Henry M. Burlage, 193.

Graduate

Enrollment Data, September 1957 and Graduate Study in Member Colleges for

1958-1959, Richard A. Deno, 233. Programs, Report of the Committee on,

J. E. Christian, 312. Study in Member Colleges for 1958-1959, Graduate Enrollment Data, September 1957 and, Richard A. Deno, 233.

Training in Synthetic Organic Chemistry: Consensus of University of Minnesota College of Pharmacy Faculty, George P. Hager, 440. The Necessity for Research and, W.

Lewis Nobles, 449.

Restatement of an Opinion on the Subject, J. H. Burckhalter, 445.

Great Britain, Pharmaceutical Education in-A Comparative Study, J. W. Fairbairn, 1.

Group Analysis (Functional) A Course in Drug Assaying, J. E. Gearien, 467.

How Can We Train for Industry? Robert V. Evanson, 210.

Hospital Pharmacy Education, Report of the Committee on, Warren E. Weaver, 331.

Impressions of a Mission to Lebanon and Yugoslavia, G. Valette, 62.

Index to Volume 22, 559.

India, Pharmaceutical Education in, V. N. Bhatia, 24.

Industry (Pharmaceutical)

Clinical Research in the, Raymond M. Rice, 133. How Can We Train for, Robert V. Evan-

son, 210. Research Today in the, Ernest M. Volwiler,

Institutions Holding Membership in the American Association of Colleges of Pharmacy, 360.

Introduction — Part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Ad-ministration — Five Year Program, Robert V. Evanson, 471.

Introductory Pharmacy, A Five Year Grade Study of Students in the Courses Pharmaceutical Calculations and, Henry M. Burlage, 193.

Jarrett, William A., Memorial to, Salvatore J. Greco, 242.

Journal (American) of Pharmaceutical Edu-cation, Report of the Editor of, Melvin R. Gibson, 288.

Jurisprudence (Pharmaceutical) in the Five Year Curriculum, part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration—Five Year Program, Paul A. Pumpian, 493.

Leading (The) of Case Discussions in Pharmacy Management, Floyd A. Grolle, 512.

Lebanon and Yugoslavia, Impressions of a Mission to, G. Valette, 62.

Letters, 370.

Liberal Education for Pharmacy Students, see Editorial, Melvin R. Gibson, 92.

Libraries, Report of the Joint Committee on Pharmacy College, George E. Osborne, 297.

Library's (The) Responsibility to the Phar-macy Faculty, Martha Jane K. Zachert, 77.

Lyman, Rufus Ashley Memorial to, Joseph B. Burt, 100; Melvin R. Gibson, 102; Rufus A. Lyman, Jr., 100; Memorial Fund, see Editorial, Melvin R. Gibson, 369.

Lynn File (The), John W. Schermerhorn and Maynard W. Quimby, 64.

Marriages, 105, 248, 375, 535.

Management

and Merchandising, part of a Panel: Cur-riculum and Syllabi for Courses in

Pharmacy Administration — Five Year Program, Robert V. Evanson, 486. part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration — Five Year Program, Esther J. W. Hall, 482.

the Leading of Case Discussions in, Floyd A. Grolle, 512.

Marketing (Marketing Drug Products) part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration — Five Year Program, John A. Lynch, 491.

Mathematics (Pharmaceutical) The Scope of, Orville H. Miller, 426. also see Calculations.

McCloskey, John Francis, Memorial to, Edward J. Ireland, 240.

Melton, Henry Edward, Memorial to, J. Verne Crandall, 247.

Membership Standards, Report of the Committee on Education and, Glen J. Sperandio, 296.

Memorials, 100, 240, 373, 532.

Memorials to

Cyrus L. Cox, Morton J. Rodman, 532. George Edward Crossen, Leo A. Sciuchetti,

James Edgar Davis, D. M. Martin, R. A. Grundman, and B. H. Gold, 370.
William A. Jarrett, Salvatore J. Greco, 242.
Rufus Ashley Lyman, Joseph B. Burt, 100,

Melvin R. Gibson, 102, Rufus A. Lyman, Jr., 100. John Francis McCloskey, Edward J. Ire-

land, 240. Henry Edward Melton, J. Verne Crandall,

Leslie M. Ohmart, Howard C. Newton, 244. Edward Spease, C. O. Lee, 102. Charles H. Stocking, Lee Worrell, 243. W. F. Sudro, Clifton E. Miller, 104. Harvey A. K. Whitney, Don E. Francke,

Horatio C. Wood, Jr., Ivor Griffith, 532.

Merchandising and Management, part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration - Five Year Program, Robert V. Evanson, 486.

Method (A) of Achieving the Objectives of Accounting in the Pharmacy Curriculum, part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration Five Year Program, Joseph D. McEvilla,

Minnesota (University of), Consensus of the Pharmacy Faculty of on Graduate Training in Synthetic Organic Chemistry, George P. Hager, 400.

National Drug Trade Conference, Report of the Representative to, Hugo H. Schaefer, Linwood F. Tice, Roy A. Bowers, 336.

Necessity (The) for Research and Graduate Training in Synthetic Pharmaceutical Chemistry in Schools of Pharmacy, W. Lewis Nobles, 449.

Netherlands, Pharmaceutical Education in the, Jan S. Faber and Walter C. McCarthy,

New Books, 124, 267, 395, 555.

New Little People, 105, 248, 375, 535.

New (A) Plan for Pharmacy Education, Glenn L. Jenkins, 165.

Norway, Pharmaceutical Education in, Einar Brochmann-Hanssen, 9.

Officers (Past) AACP, Past Places of Meeting and, 367

Ohmart, Leslie M., Memorial to, Howard C. Newton, 244.

Organic Chemistry (Synthetic), Graduate Training in: Consensus of University of Minnesota College of Pharmacy Faculty, George P. Hager, 440.

Orientation (Pharmacy), A Course in, C. Lee Huyck.

Panel: Curriculum and Syllabi for Courses in Pharmacy Administration - Five Year Program, 471.

Past Officers, AACP, Past Places of Meeting, 367.

Past Places of Meeting and Past Officers, AACP, 367.

**Pharmaceutical** 

Calculations and Introductory Pharmacy, A Five Year Grade Study of Pharmacy Students in the Courses, Henry M. Burlage, 193,

Chemistry and the Seminar for Practicing Pharmacists: A Problem in Communication, Edward S. Brady, 454.

(Synthetic) Graduate Training in, A Restatement of an Opinion on the Subject, J. H. Burckhalter, 445.

in Schools of Pharmacy, The Necessity for Research and Graduate Training in, W. Lewis Nobles, 449.

Education

Annual Report of the Secretary and Executive Director of the American Foundation for, W. Paul Briggs, 339. he Application of Group Thinking

The Application of Techniques to the Problems of, Lee H. Bristol, Jr., 143.

Belgian, Heyndrickx, 28. in Central and South America, Arthur E.

James, 51.
the First Application of Group Ideation
to Curriculum Development, The
Bobst-Columbia Plan for, Leo Roon
and E. E. Leuallen, 147.
in Great Britain—A Comparative Study,

J. W. Fairbairn, 1. in India, V. N. Bhatia, 24.

Norway, Einar Brochmann-Hanssen,

Physical Chemistry in, Frank M. Goyan, 457.

in Poland, Witold Saski and Henryk Bukowiecki, 38. Report of the Editor of the American

Journal of, Melvin R. Gibson, 288.
Report of the Secretary of the American
Council on, P. H. Costello, 285.
in the United States, H. G. Hewitt, 155.
Value of Fearwhyldriches to Lloyd F. Value of Foundations to, Lloyd E. Blauch, 139.

The Canadian Conference of, Faculties, G. R. Paterson, 201.

Industry

Clinical Research in the, Raymond M. Rice, 133.

Today, Research in the, Ernest H. Vol-wiler, 127.

Jurisprudence in the Five Year Curriculum, for Courses in Pharmacy Administration
- Five Year Program, Paul A. Pumpian, 493. part of a Panel: Curriculum and Syllabi

Mathematics, The Scope of, Orville H.

Miller, 426. cience, Physical Chemical Principles in, Physical Pharmacy, Alfred N. Martin, Science. 462

Pharmacists.

in the Government Service, Report of the Committee on Status of, Loyd E. Harris, 328

(Practicing), Pharmaceutical Chemistry and the Seminar for: A Problem in Communication, Edward S. Brady, 454. (Retail) Support of Colleges of Pharmacy, see Dr. Lyman Comments, 96.

Pharmacognosy Trends, James E. Dusenberry, 412.

Pharmacology Research, Recent Advances in, James R. Weeks, 420.

Administration - Five Year Program, Curriculum and Syllabi for Courses in, (Panel), 471.

Calculations Should Be Integrated with Other Pharmacy Courses, Stanley V. Susina, 428. Should Be Taught as a Separate Course,

Winthrop E. Lange, 433. A State Board Member's View of, Wilbur E. Powers, 436.

and Civilization, David L. Cowen, 70.
College Libraries, Report of the Joint Committee on, George E. Osborne, 297.
Courses, Pharmacy Calculations Should Be Integrated with other, Stanley V. Susina,

(Hospital) Education, Report of the Committee on, Warren E. Weaver, 331.

Faculty, The Library's Responsibility to the, Martha Jane K. Zachert, 77.

Institutions Holding Membership in the American Association of Colleges of, 360.

(Introductory), A Five Year Grade Study of Pharmacy Students in the Courses Pharmaceutical Calculations and, Henry

M. Burlage, 193.

Management, The Leading of Case Discussions in, Floyd A. Grolle, 512.

Education A New Plan for, Glenn L. Jenkins, 165. also see Pharmaceutical Education and Education (Pharmaceutical).

Orientation, A Course in, C. Lee Huyck,

(Physical): Chemical Principles in Phar-maceutical Science, Alfred N. Martin,

in Poland, The Development of, Witold Saski, 214. Students in the Courses Pharmaceutical Calculations and Introductory Pharmacy,

A Five Year Grade Study of, Henry M.

Burlage, 193.
Teachers, Recruitment of, see Editorial,
Melvin R. Gibson, 237.

in the United States, Changes Influencing the Teaching of, Tom D. Rowe, 151. in West Germany, Studying, Glenn Sonnedecker, 169.

Pharmacy's

Appeal to Prospective Students, David Reiss, 409.

Appeal to Prospective Students-What the Colleges are Doing, Lloyd M. Parks, 403.

Physical Chemical Principles in Pharmaceutical Science: Physical Pharmacy, Alfred N. Martin, 462.

Physical Chemistry in Pharmaceutical Edu-cation, Frank M. Goyan, 457.

Physical Pharmacy: Physical Chemical Principles in Pharmaceutical Science, Alfred N. Martin, 462.

Poland

The Development of Pharmacy in, Witold Saski, 214.

Pharmaceutical Education in, Witold Saski and Henryk Bukowiecki, 38.

Postdoctoral and Doctoral Study in Germany, J. H. Burckhalter, 18.

Predictive Tests, Report of the Committee on, Joseph B. Sprowls, 324.

Present Problems in the Recruitment of Students, James A. Kearns, 66.

President, Address of the, Tom D. Rowe, 269.

President's Section, Tom D. Rowe, 90, Louis C. Zopf, 526.

President Louis C. Zopf: A Biographical Sketch, Melvin R. Gibson, 399.

Principles of Economics in the Five Year Curriculum, part of a Panel: Curriculum and Syllabi for Courses in Pharmacy Administration-Five Year Program, Stephen Wilson, 480.

Problems of Pharmaceutical Education, The Application of Group Thinking Techniques to the, Lee H. Bristol, Jr., 143.

Problems and Plans, Report of the Committee on, H. G. Hewitt, 324.

Recent Advances in Pharmacology Research, James R. Weeks, 420.

Recruitment

Aids, Report of the Committee on, Richard A. Deno, 326

of Pharmay Teachers, see Editorial, Melvin R. Gibson, 237.

of Students Present Problems in the, James A. Kearns, 66. see President's Section, Tom D. Rowe,

90

Remington Honor Medal Citation for W. Paul Briggs, Hugo H. Schaefer, 80.

Report of the Editor of the American Journal of Pharmaceutical Education, Melvin

Report of the Executive Committee Chairman, AACP, Louis C. Zopf, 281.

Report of the Secretary of the American Council on Pharmaceutical Education, P. H. Costello, 285.

Report of the Secretary-Treasurer, AACP, George L. Webster, 279.

Report of the Secretary-Treasurer of the AACP Conference of Teachers, 1957-1958, Joseph H. Kern, 522.

Reports of AACP Committees, Delegates and Representatives, see names of committees and organizations.

Representatives and Delegates to the Fifty-Ninth Annual Meeting, AACP, 365.

### Research

(Clinical) in the Pharmaceutical Industry,

Raymond M. Rice, 133. and Graduate Training in Synthetic Pharmaceutical Chemistry in Schools of Phar-macy, The Necessity for W. Lewis Necessity for, W. Lewis Nobles, 449.

in the Pharmaceutical Industry Today, Ernest H. Volwiler, 127. (Pharmacology), Recent Advances in,

James R. Weeks, 420.

Scope (The), of Pharmaceutical Mathematics, Orville H. Miller, 426.

Secretary of the American Council on Phar-maceutical Education, Report of the, P. H. Costello, 285.

Secretary-Treasurer AACP, Report of the, George L. Webster, 279.

Secretary-Treasurer of the AACP Conference of Teachers, Report of the for 1957-1958, Joseph H. Kern, 522.

Seminar for Practicing Pharmacists, Pharmaceutical Chemistry and the: A Problem in Communication, Edward S. Brady, 454.

South America and Central America, Pharmaceutical Education in, Arthur E. James, 51.

Spease, Edward, Memorial to, C. O. Lee, 102. Staff Changes, 106, 248, 376, 536.

Standards (Membership), Report of the Standing Committee on Education and, Glen J. Sperandio, 296.

State (A) Board Member's View of Pharmacy Calculations, Wilbur E. Powers, 436.

Stocking, Charles H., Memorial to, Lee Wor-

Student (Superior), see Editorial, Melvin R. Gibson, 529.

## Students

(Pharmacy) in the Courses Pharmaceutical Calcula-tions and Introductory Pharmacy, A Five Year Grade Study of, Henry M.

Burlage, 193. Liberal Education for, see Editorial, Melvin R. Gibson, 92.

(Prospective)

Pharmacy's Appeal to, David Reiss, 409. What the Colleges Are Doing — Pharmacy's Appeal to, Lloyd M. Parks, 403.

Recruitment of Present Problems in the, James A. Kerns,

see President's Section, Tom D. Rowe,

Studies (Continuation) Report of the Committee on, Kenneth L. Waters, 330.

Studying Pharmacy in West Germany, Glenn Sonnedecker, 169.

Sudro, W. F., Memorial to, Clifton E. Miller, 104.

Superior Student, see Editorial, Melvin R. Gibson, 529.

Support (Financial) of Colleges of Pharmacy by Retail Pharmacists, see Dr. Ly-man Comments, 96.

Syllabi and Curriculum for Courses in Phar-macy Administration — Panel: Five Year Program, Introduction, Robert V. Evanson, 471.

Synthetic Organic Chemistry

Graduate Training in: Consensus of University of Minnesota College of Pharmacy Faculty, George P. Hager, 440.

Synthetic Pharmaceutical Chemistry

Graduate Training in — A Restatement of an Opinion on the Subject, J. H. Burckhalter, 445.

in Schools of Pharmacy, The Necessity for Research and Graduate Training in, W. Lewis Nobles, 449.

Teacher (English) Talks Back. Chester L. Riess, 185.

### Teachers

Conference

Bylaws, 352.

Officers of, 364.

Report of the Secretary-Treasurer, 1957-1958, Joseph H. Kern, 522.

(Pharmacy), Recruitment of, see Editorial, Melvin R. Gibson, 237.

Teaching of Pharmacy in the United States, Changes Influencing the, Tom D. Rowe,

Testing (Antibiotic), Raymond W. Vander-Wyk, 227

Value of Foundations to Pharmaceutical Education, Lloyd E. Blauch, 139.

Vice President, Address of the, John F. McCloskey, 276.

West Germany, Studying Pharmacy in, Glenn Sonnedecker, 169.

Whitney, Harvey A. K., Memorial to, Don E. Francke, 245.

Wood, Horatio C., Jr., Memorial to, Ivor Griffith, 532.

Yugoslavia, Impressions of a Mission to Lebanon and, G. Valette, 62,

Zopf, Louis C. (President); A Biographical Sketch, Melvin R. Gibson, 399.

